

California Regional Water Quality Control Board
North Coast Region

MONITORING AND REPORTING PROGRAM NO. R1-2005-0110

FOR

WILLITS ENVIRONMENTAL REMEDIATION TRUST

PAGE PROPERTY

Mendocino County

This Monitoring and Reporting Program is issued pursuant to California Water Code Section 13267(b) and requires monitoring of groundwater and submission of technical reports. Reports are required on a quarterly basis. The objective of monitoring conducted under this monitoring program is to provide the Discharger and the Regional Water Board with information concerning groundwater quality and contaminant trends at the site.

Under the authority of the California Water Code Section 13267, the Discharger named above is required to comply with the following:

MONITORING

1. Prior to purging, the depth to groundwater in all monitoring wells and piezometers shall be determined to at least 0.01 foot increments on a quarterly basis. The data generated from the elevation readings must be referenced to mean sea level.

SAMPLING AND LABORATORY ANALYSIS

2. Monitoring wells and surface water monitoring of Darby Creek shall be sampled and analyzed in accordance with the following table:

Sampling Location	Hexavalent Chromium EPA Method 7196	Hexavalent Chromium EPA Method 7199	VOCs EPA Method 8260 Low Level	1,4-Dioxane EPA Method 8270 Select Ion Mode
Groundwater Monitoring				
PPMW-1	Quarterly	--	Semiannual	Semiannual
PPMW-2	Quarterly		Annual	Annual
PPMW-3	--	Quarterly	Annual	Annual
PPMW-4	--	Quarterly	Annual	Annual
PPMW-5A	--	Annual	--	--
PPMW-5R	--	Annual	--	--
PPMW-6	--	Semiannual	--	--
PPMW-7	--	Semiannual	--	--
PPMW-8	--	Semiannual	Semiannual	Semiannual
PPLF-9A	Quarterly	--	Annual	Semiannual
PPLF-10	Quarterly	--	Annual	Semiannual
PPLF-11	Quarterly	--	Annual	Semiannual
PPMW-12	--	Semiannual	--	--

Sampling Location	Hexavalent Chromium EPA Method 7196	Hexavalent Chromium EPA Method 7199	VOCs EPA Method 8260 Low Level	1,4-Dioxane EPA Method 8270 Select Ion Mode
PPMW-13	--	Semiannual	--	--
PPMW-14	--	Semiannual	--	--
PPMW-15	--	Annual	--	--
PPMW-16	--	Quarterly	Quarterly	Quarterly
PPMW-17	--	Quarterly	Quarterly	Quarterly
Surface Water Monitoring				
SW-1	--	Monthly	--	--
SW-2	--	Monthly	--	--
SW-3	--	Monthly	--	--
SW-5	--	Monthly	--	--
SW-6	--	Monthly	--	--
SW-7	--	Monthly	--	--

3. Lysimeters LYS-3-40, LYS-6-20, LYS-7-23, and LYS-8-35 shall be sampled quarterly for one year. After one year of sampling, the frequency of sampling shall be evaluated. The first priority for the analysis in each lysimeter is for hexavalent chromium. If sufficient water is collected, then VOCs including 1,4-Dioxane shall be analyzed. 1,4-Dioxane shall be analyzed by EPA Method 8260 in lieu of EPA Method 8270 SIM unless an adequate amount of water can be collected from the lysimeter for EPA Method 8270 SIM analyses.
4. All testing shall be performed at a laboratory certified by the California Department of Health Services.

REPORTING

5. Results of the monthly surface water sampling of Darby Creek shall be submitted within 30 days of the sampling event.
6. Groundwater monitoring data and reports shall also be submitted electronically to the State Water Resources Control Board's Geographic Environmental Information Management System database (GeoTracker) as required by Title 23, Division 3, Chapter 30, Article 2, Sections 3890-3895 of the California Code of Regulations).
7. Groundwater monitoring reports shall include the following elements:
 - A narrative description of the work conducted;
 - A groundwater elevation map for each sampling event;
 - A contaminant distribution map showing isograms for constituents of concern detected in groundwater during the monitoring event;
 - Analytical data tables including both current and historical analytical results;
 - Copies of the well purging and sampling field logs; chain of custody documents; and signed laboratory reports including quality control data and explanations of analytical anomalies, if any. These supporting documents may be included as appendices to the report

8. Monitoring reports for the quarterly sampling shall be submitted to this office in accordance with the following schedule. The semiannual report is due April 15, and the annual report is due October 15.

<u>Sampling Period</u>	<u>Report Due</u>
January, February, March	April 15
April, May, June	July 15
July, August, September	October 15
October, November, December	January 15

Ordered by _____

Catherine E. Kuhlman
Executive Officer

November 10, 2005